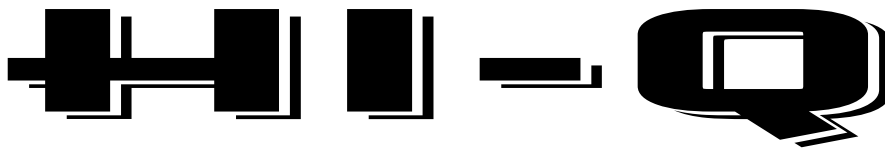




## *Journal of the Lakehead Amateur Radio Club*



**Thunder Bay, Ontario**

Volume 88

**December 2022**

Issue 10

### **The Prez says: December Edition**

Wow, I can't believe that it is December already and that antenna season is in full swing. Yes, I know the "call" is late... remember the ice storm? As you can see from the last issue of HI-Q and this one, our club is in full swing and things are happening. Even though we have had some technical difficulties with the hybrid meetings. And when do things always go according to plan? The new meeting format appears to be appreciated by most and our meetings appear to go quick especially with the hands-on portion. A big thank you for that participated (remember the storm I mentioned?) in the coax patch cable workshop. It was nice to see everyone add some new hardware to their ham shack, as well as, some of the more seasoned hams offering some solid hands-on experience for this starter project. So, stay tuned for our January workshop.

Just a quick reminder for all that RSVP'd for the December meeting/dinner which will be at the Chicago Joe's restaurant inside the Victoria Inn on Friday December 9th at 18:30. I am looking forward to the guest speaker(s), good food, conversations, and hopefully winning some of the many available prizes. For those that unfortunately couldn't make it, we will brag about it in the next issue of HI-Q.

Now for the most important part, I would like to wish each and every one of our members the best possible holiday season that you could possibly have. May each and everyone have some great DX contacts and I hope Santa bring you all some new hardware for your ham shack. Please stay safe over the holidays, do not over exert yourself by shovelling snow..... (Pro tip: check with your MD or pharmacist about having baby size Aspirin on hand at all times in case your heart gives you a problem) I do not want to meet anyone while I am at work!

73, Happy Holidays, and a Happy New Year  
de Eric VE3XET

**Next Meeting: Friday December 9<sup>th</sup> at Chicago Joes in the Victoria Inn at 1830 (Dinner followed by Christmas get-together.**

### **The U.S. Federal Emergency Management Agency**

The Emergency Management Institute is offering a new online study course titled, Preparing the Nation for Space Weather Events. The course explains the levels of response the government uses in regard to these events. It would be a good training course for any ham to gain a better understanding of how space weather affects communications here on Earth. It takes about 2 hours to complete online. A FEMA student ID is required, and is free from the EMI website.

More Info at -

<https://training.fema.gov/is/courseoverview.aspx?code=IS-66&lang=en>

-- Thanks to ARES Letter

### **The Transatlantic Centenary Tests (Dec 1 to 31, 2022)**

The RSGB are hosting, The Transatlantic Centenary Tests, on the HF bands to commemorate the centenary of the achievement of Amateur Transatlantic communication held between 1921 and 1923. 24 December 1922 was when the very first amateur signal from Europe was heard in North America; from the RSGB station (G)5WS which was established at Wandsworth in South London.

Unlike the tests of the 1920s, which mostly consisted of one-way communication, the 2022 tests will encourage world-wide two-way communication with UK based stations. We want to showcase amateur radio in 2022 to celebrate this milestone in the history of the hobby.

Special stations will be activated from the UK using original RSGB call signs from the 1920s but using state-of-the-art modern radio equipment.

These historic call signs are being activated by RSGB members and Clubs,

using G5WS, G5AT,

G6XX, G6ZZ and G3DR (England), GM5WS (Scotland), GW5WS (Wales), GU5WS (Guernsey), GD5WS (Isle of Man), GJ5WS (Jersey) and GI5WS (Northern Ireland).

-- Info: <https://rsgb.org/main/activity/transatlantic-tests/tct/rules/>

## **LARC SENATE**

Robert Hansen VE3RVA  
Dave Kimpton VE3AVS  
Lindo Scalese VE3NHX  
Terry Stewardson VA3LU  
Ed Baumann VE3SNW

## **LARC EXECUTIVE**

President Eric Todd VE3XET  
Vice-President James St Cyr VE3OPD  
Secretary Stephan Burns VE3SJB  
Treasure Stephan Burns VE3SJB  
Director Axel Rehfuhs VE3OPF  
Director Wayne Letang VE3WRL  
Director John Grandell VA3WJX  
Director To be elected at next meeting

## **TBay Emergency Coordinator** Brad Harris VE3MXJ

## **ACS Amethyst District Emergency Coordinator** Warren Paulson, VE3FYN

## **CANWARN** VA3JMS John 767-3631

## **Public Service Events** VA3JMS John 767-3631

## **Accredited Examiners** VE3FAL Fred Lesnick 577-0789 flesnick@tbaytel.net VE3VAI Lori Bedford (807) 630-7688 lbedford@tbaytel.net

**2022**

## **ABOUT US**

The Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. . Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to [hqnewsletter@gmail.com](mailto:hqnewsletter@gmail.com)

## **Amethyst District Auxiliary Communications Service Providing emergency communications for Northwestern Ontario**

This is a list of the ACS frequencies in order of preference, number 1 being the first choice, if that frequency is in use or not working as in a repeater, then number 2 is the next choice, and so on,,,,,,,,

### **VHF**

1. 147.060- VE3YQT (MT.BALDY)
2. 147.390+ VE3BGA PL107.2 (LOCH LOMOND)
3. 146.820- VE3TBR PL107.2 (ST.JOSEPH HERITAGE)
4. SIMPLEX 146.520 > 146.580 > 146.550

### **HF**

RAC ACS Canadian National Emergency Frequencies

1. 80M 3.675MHz LSB designated as ALPHA
2. 40M 7.135MHz LSB designated as BRAVO
3. 20M 14.135MHz USB designated as CHARLIE

## **Nets and Exercises**

Wednesdays at 8 PM ET (2000hrs) 0000UTC on frequency 3.675MHz LSB (80 Metres)

We have four different net control operators across NWO. At the end of check in's we try and do some sort of exercise, winlink P2P, JS8 CALL, passing messages. Everyone is encouraged to check in, even if you are not an ACS or LARC member.



Minutes for the  
Lakehead Amateur Radio Club  
Executive Meeting  
Date: November 3rd, 2022

Meeting Start 1906 EST

Secretary's Report: Stephan VE3SJB

To be submitted to be printed in HI-Q

Treasurer's Report: Stephan VE3SJB

To be submitted to be printed in HI-Q

Youth / Student membership to be researched to reintroduce the membership class

An increase to the membership rates are being looked into. Possibly bring it up by \$5 per membership. To be further investigated.

LARC Taxes & Corporate Reporting

Stephan VE3SJB has applied online for access to update the corporate information. Currently waiting for a response to continue forward.

CRA needs to have us update the corporate information then we can further proceed with submitting the required tax forms Corporate Seal has been located and will be arranged to get to the Secretary / Treasurer

Current Treasurer / Secretary to make instruction set for future Treasurer / Secretary to put into briefcase/Google Drive

General Meeting Presentations

Need to get some presentations lined up for the next few months

Stephan VE3SJB has been sending out email to various 'famous' ham ops for presentations

Eric VE3XET to talk to Jeff Cedarwall about a presentation on repeaters

Reminder

Executive, Board members, presenters and committee volunteers if you can't make an executive meeting or general meeting please send a report 24+ hours ahead of time to the executive. This will allow us to include any reports you may have to be included in the meeting and to keep the meetings moving along smoothly.

**Thunder Bay ACS** (formerly known as ARES): Brad Harris VE3MXJ, T. Bay EC

On Saturday November 19 2022 9AM - 1PM EST will be the annual ARES SET. National SET has been cancelled by RAC because of reorganisation. As Brad has more information he will let people know.

Anyone who wants to receive weekly notifications about the weekly ARES net please give Brad your cell phone number and service provider. The information can be sent to Brad by email or text message to get added to this notification service.

Radio station at North Central Fire Station EOC is now up and running.

Brad has sent out ARES package to members interested in ARES

LARC is sanctioning ARES SET that is set to commence on November 19 2022

Repeater News: Technical Committee

Axel reviewed the technical committee report.

Public Service - John Sacek

Randy VA3OJ received correspondence that the Sibley Lop-pet will be running in March. Further details will be provided as we get closer to the event.

### **Club Trailer**

Eric contacted Bob VE3RVA about the trailer. LARC is offering to sell the trailer back to Bob for \$1.00 if he would be interested. Currently waiting for a response from Bob.

Old Business

All local repeater frequencies and other fixed frequencies are to be published in Hi-Q for members

Eric VE3XET to call Glen Wallace about getting LARC involved with Lakehead Search & Rescue

Christmas party to be arranged for December 2022. Randy VA3OJ has been working on this and nothing has been secured yet

### **New Business**

Jeff Cedarwall - Eric VE3XET had a conversation with him about getting heliax and offering to test connectors on the cables. Jeff has extended an offer to help with LARC repeater setup/troubleshooting.

If you plan on attending the LARC December Dinner Meeting please reply to the email that will be sent out.

Door prize for the december meeting - Arborist Throw Kit

MOTION #1 - Axel VE3OPF "To purchase a door prize for under \$75" Seconded by Eric VE3XET, All in favor

MOTION #2 - Stephan VE3SJB "To setup a google account for the LARC" Seconded by Axel VE3OPF, All in favor

### **I.T. Department**

Website - In progress - Stephan talking to Leo about getting domain transferred

Google Account - To be setup for the LARC

Looking for anyone interested in helping or learning how to manage our website, Google account, social media accounts etc.

Adjournment 2059 EST Axel VE3OPF Motion to Adjourn



Minutes for the  
Lakehead Amateur Radio Club

Date: November 9, 2022 on Zoom & In Person at the  
ACE Building

Lakehead Amateur Radio Club  
November 2022 Treasurer Report  
as of November 28, 2022

President, Eric Todd VE3XET Presiding.

Meeting Start 6:57pm EST

Roundtable

Treasurer's Report: Stephan Burns VE3SJB  
Treasurer's report printed in Hi-Q  
Errors in report previous months report. To be adjusted  
and prepared for next meeting

Secretary's Report: Stephan Burns VE3SJB  
Executive minutes of the last meeting printed in Hi-Q  
October meeting minutes to be submitted for next  
month  
Executive minutes Eric Motioned, Chris Seconded  
All in favor

Karl Hamilton - MOTION #1 "To pre-approve pay-  
ment of the LARC insurance to be paid" Axel Refuhus  
Seconded All in favor

Axel Rehfuhs - MOTION #2 "To purchase a new AR-  
COM RC-210 controller for VE3TBR, up to \$1000"  
Karl Hamilton Seconded All in favor

Guest Speakers: Randy McAllister VE3WBW - Emer-  
gency Preparedness

Meeting Adjourned

Headed to the lab to learn how to solder connectors to  
coax

### Chequing Account

Opening Balance \$6,716.32

Incoming  
Dues \$165.00

Expenses  
Credit Union Service Fee -\$0.90  
Cheque #28 - FD Portapoty -\$173.86  
Cheque #29 - Club Project - Solder & PL259  
-\$153.60  
Cheque #30 - Zoom -\$226.00

Closing Balance \$6,326.96

### Trailer Account

Opening Balance \$1,115.46  
Closing Balance \$1,115.46

### Short Term Deposit

Opening Balance \$2,085.98  
Interest \$1.89  
Closing Balance \$2,087.87

Stephan Burns VE3SJB  
Treasurer

*Merry Christmas and Happy New Year  
From HI-Q and the Lakehead Amateur  
Radio Club*



## December Technical Committee Agenda

Start: 17:55

**Repeater Updates**

YQT: Received a call from Dennis at CKPR, the tower inspection has been performed and CKPR is waiting for the result. Dennis thinks that there should not be much of an issue, as he has not heard anything. He figures that if there were any major issues, they would have called him. He also believes that we have no issues with our old Heliastar as it is entangled in the tower.

UPP: No News.

BGA: Terry changed the access codes as someone has been playing with tones/packet like signals, trying to get into the programming of the controller. The status of the UHF side is unknown as Terry has been listening to it, however he has not heard anyone using the UHF side of the repeater.

TBR: The new Arcom controller is on order as a replacement for the one Terry has, Terry has offered to use his Arcom controller on VE3TBR in order to get things back up and running in a timely fashion. Once he has it all setup, we will need some bodies to help bring the equipment back up to TBR and maybe have Terry adjust the level.

10M: Just found out that this is not the club's repeater, it belongs to Randy VA3OJ and BOB VE3RVA.

Our committee will reach out to Randy to see if he would like a hand to get this project back on track.

OTHER: Nothing was mentioned

**Old Business:** Lindo and John P. are getting together to read and or re-burn a chip from the old TBR controller.

We will move the request for the VE3YQT quote to the spring as weather conditions are not in our favour right now which may result in a higher cost.

**New Business:** We are trying to find an old 286 or 386 computer (a slow one) with maybe windows 98 in order to set up a computer to program radios and possibly burn some chips.

The technical committee want to design and build some traps for some multiband wire antennas, this could be done in conjunction with the advanced ham radio class. The result would let newer hams have some multiband antennas as well as us having some available for field days or future expeditions.

Slack Invite: <https://bit.ly/larc-slack> (you will be added to the group manually)

Next Meeting: Tuesday, January 3, 2022 from 17:15 – 18:45 in person at VE3FRH or via zoom.

Meeting adjourned: 18:55

73 de VE3OPF

## Thunder Bay HAMSHACK HOTLINE Directory

VE3OPD	6100000727
VE3XET	6100000785
VE3OPF	6100000798
VE3OTV	6100000845
VE3RH	6100000846
VE3FRH	6100000929
VE3SJB	5500000307
VA3WJX	6100001119

What is Hamshack Hotline?

<https://hamshackhotline.com/>

## AllStar Link Node List

Node	Call	Freq	Tone
55996	VE3XET		
57197	VA3FRH		
54470	VE3YFR	147.090	123.0
54471	VE3OPD		
54472	VE3OPD		
56988	VA3WJX	446.100	110.9

Link of Interest

<https://ktla.com/news/nexstar-media-wire/nationworld/effects-of-solar-storm-may-be-felt-on-earth-as-early-as-thursday-night/>



**Nova Scotia Students Contact Astronaut Via Ham Radio**

12/02/2022 via ARRL

Students at Five Bridges Junior High School in Stillwater Lake, Nova Scotia, Canada, finally had an opportunity to talk with an astronaut onboard the International Space Station (ISS) via ham radio.

On Wednesday, November 23, 2022, the students were able to talk with Astronaut Josh Cassada, KI5CRH, for about 11 minutes as the ISS passed over northern Europe.

The students were anxious to ask questions ranging from curiosities about the astronauts' work schedules to concerns about radiation in outer space. Astronaut Cassada was asked about his favorite part of training for his ISS mission, and he replied, "All of it!"

The contact was made possible with amateur radio volunteers at the Amateur Radio on the International Space Station (ARISS) ground station in Casale Monferrato, Italy, using the call sign IK1SLD, and was the 1,495 contact made since the ARISS program began.

In the US, ARISS includes support from ARRL, AMSAT, NASA, NASA's Space Communication and Navigation (SCaN) organization and the Center for the Advancement of Science in Space (CASIS).

**Youth/Youngsters on the Air Month-Long Event Begins December 1**

12/02/2022 via ARRL

On December 1, 2022, YOTA begins a month-long, special event to celebrate young amateur radio operators -- YOTA Month 2022. YOTA is Youth or Youngsters on the Air. Amateur radio operators aged 25 and younger will be on all bands using all modes throughout the month to make contacts around the world. In 2021, YOTA participants worldwide made 119,516 contacts, surpassing their goal of 100,000 contacts.

In the United States, the call signs for the event will be K8Y, K8O, K8T, and K8A. Argentina will be active as LR1YOTA, Canada as VC3YOTA and VB7YOTA, El Salvador as YS1YOTA, and Honduras as HQ2YOTA. Amateur radio operators are encouraged to listen for and contact these stations, as well as all call signs ending in the letters "YOTA" across the globe.

In addition to the month-long celebration, on December 30 from 1200 to 2359 UTC, round three of the YOTA Contest will be active.

Various YOTA activities and events are organized throughout the world. The International Amateur Radio Union (IARU) Youth in Amateur Radio web page includes additional information and links at <https://www.iaru.org/on-the-air/youth-in-amateur-radio>.

